AMENDMENTS TO THE CLAIMS

Please amend claims 1, 4, 5 and 9. Please add new claim 10. No new matter is believed to be introduced as a result of the aforementioned amendments. The following listing of claims replaces all prior versions and listings of claims in this application.

1. (Currently amended) A method of manufacturing an optical transceiver module using a lead frame connector, comprising:

connecting a plurality of electrical contacts of a lead frame connector to corresponding leads of the <u>an</u> optical sub-assembly to obtain a combined structure that includes the lead frame connector and the optical sub-assembly; and

connecting a plurality of leads of the lead frame connector to corresponding conductive structures on a printed circuit board of the optical transceiver module

rigidly attaching the optical assembly to a printed circuit board using the lead frame connector such that the lead frame connector electrically connects the optical sub-assembly to the printed circuit board and the lead frame connector provides mechanical support for the optical transceiver module.

2. (Original) The method as defined in claim 1, wherein connecting the plurality of electrical contacts comprises:

passing each of the leads of the optical sub-assembly through a hole in the corresponding electrical contact; and

soldering the leads to the corresponding electrical contacts.

3. (Original) The method as defined in claim 2, wherein soldering the leads to the corresponding electrical contacts is performed by applying the solder to the electrical contacts at a side of the lead frame connector that is opposite a side that is adjacent to the optical sub-assembly.

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4. (Currently amended) The method as defined in claim—1 10, wherein connecting the plurality of leads of the lead frame connector to the corresponding conductive structures on a printed circuit board comprises:

placing the leads of the lead frame connector in contact with the corresponding conductive structures; and

reflow soldering the leads to the conductive structures.

5. (Currently amended) The method as defined in claim—1_10, wherein connecting the plurality of leads of the lead frame connector to the corresponding conductive structures on a printed circuit board comprises:

placing the leads of the lead frame connector in contact with the corresponding conductive structures; and

connecting the leads to the conductive structures using a hot bar process.

- 6. (Original) The method as defined in claim 1, wherein the optical sub-assembly is a transmitter optical sub-assembly.
- 7. (Original) The method as defined in claim 1, wherein the optical sub-assembly is a receiver optical sub-assembly.
- 8. (Original) The method as defined in claim 1, wherein connecting the plurality of electrical contacts to corresponding leads includes self-alignment of the lead frame connector with respect to the optical sub-assembly as the corresponding leads pass through holes in the electrical contacts.

9. (Currently amended) A method of manufacturing an optical transceiver module-using a lead frame connector, comprising:

obtaining a lead frame connector that includes:

an electrically insulating casing; and

a plurality of conductors that are electrically isolated one from another by the electrically insulating casing, the plurality of conductors forming:

a plurality of electrical contacts that correspond to leads of the optical sub-assembly; and

a plurality of leads that correspond to conductive structures on the printed circuit board;

connecting the plurality of electrical contacts of the lead frame connector to the corresponding leads of the <u>an</u> optical sub-assembly to obtain a combined structure that includes the lead frame connector and the optical sub-assembly; and

connecting the plurality of leads of the lead frame connector to the corresponding conductive structures on a printed circuit board of the optical transceiver module

rigidly attaching the optical assembly to a printed circuit board using the lead frame connector such that the lead frame connector electrically connects the optical sub-assembly to the printed circuit board and the lead frame connector provides mechanical support for the optical transceiver module.

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10. (New) The method as defined in claim 1, wherein rigidly attaching the optical assembly to the printed circuit board using the lead frame connector comprises connecting a plurality of leads of the lead frame connector to corresponding conductive structures on the printed circuit board of the optical transceiver module.